

Claims Status

1. (Currently Amended) A walk behind sprayer for applying maintenance liquids within the border of a turf growing area comprising: a walk behind zero turn radius drive unit having an engine operatively connected to a pair of laterally spaced manually steerable drive wheels; a rear operator control handle assembly for selectively controlling rotation of said drive wheels; a generally rectangular metal frame connected at a rear end to the front end of said drive unit and having a pair of laterally spaced wheel assemblies including pivotal wheels connected at the front end thereof; sprayer arms mounted on opposite sides of said frame and extending outwardly therefrom, said arms moveable between a horizontal spray position and a vertical stowed position; a transversely disposed fluid tank mounted on the top of said frame; an electric pump mounted on said tank and having an inlet in said tank for removing liquid from said tank, said pump having an outlet fluidly connected with an inlet on valve means carried on said control handle; a first fluid conduit having an inlet connected with a first outlet on said valve means and a distal end extending transversely across said frame; a first plurality of fluid dispensing nozzles on said distal end of said first fluid conduit; a second fluid conduit having an inlet fluidly connected with a second outlet on said valve means and having branch conduits extending to said spray arms; fluid dispensing nozzles on said branch conduits, said valve means being manually operative to block flow to said fluid conduits in a first position and to selectively deliver fluid to said conduits in secondary positions; and a vertically extending spray barrier transversely attached to a side of said frame adjacent one of said sprayer arms in said stowed ~~the raised~~ position, said spray barrier effective to block outward spray of liquid from

an adjacent nozzle on said first conduit for direction downwardly at defined drip edges thereby preventing unwanted application of the liquid beyond the border.

2. (Currently Amended) A spraying apparatus for applying liquid media to turf areas comprising: a drive unit including an engine operatively connected to a pair of laterally spaced manually steerable drive wheels for providing guided movement to the sprayer; frame means ~~frontally~~ connected to said drive unit and projecting forwardly thereof and having forwardly extending pivoting wheel assemblies; a fluid reservoir for liquid media carried by said frame means; pump means for delivering the liquid media from said fluid reservoir to liquid delivery lines, nozzle means fluidly connected with said liquid delivery lines and transversely carried on said frame means for dispensing the liquid media, and control means for said liquid delivery lines carried by said drive unit, said control means being manually operative to selectively deliver the liquid media to said nozzle means, said nozzle means including a first set of laterally spaced nozzles carried on said frame means with the outermost being within the forward lateral vision of the operator.

3. (Original) The spraying apparatus as recited in claim 2 wherein said liquid dispensing means includes a pair of lateral spray arms extending laterally outwardly from the sides of said frame means and including a second set of nozzles thereon.

4. (Original) The spraying apparatus as recited in claim 3 wherein said control means are operative to selectively fluidly connect said sets of nozzles to said pump means.

5. (Currently Amended) The spraying apparatus as recited in claim 4 wherein said spray arms are pivotally connected to said frame means for

movement about a horizontal longitudinal axis between a horizontal position and a vertical position.

6. (Previously Presented) The spraying apparatus as recited in claim 5 wherein said spray arms are pivotally connected to said frame means by breakaway hinge means for spring biased movement about a vertical axis upon contact with obstacles in the turf areas.

7. (Original) The spraying apparatus as recited in claim 6 including support means carried at the sides of said frame means for releasably maintaining said spray arms in said vertical position.

8. (Original) The spraying apparatus as recited in claim 5 wherein said control means is operative for blocking flow of liquid media to said nozzle means in a first condition, allowing flow of liquid media to said first set of nozzles in a second condition, and allowing flow of liquid media to said first set and said second set of nozzles in a third condition.

9. (Original) The spraying apparatus as recited in claim 8 wherein a recirculation path is established between said pump means and said reservoir means in said first condition.

10. (Original) The spraying apparatus as recited in claim 9 wherein said drive unit is a walk behind zero turn radius assembly having a rearwardly extending operator control handle assembly and said control means are operator accessible on said handle assembly permitting selection of said control means conditions during travel of the apparatus.

11. (Currently Amended) The sprayer apparatus as recited in claim 2 including a vertically and transversely disposed liquid barrier removably carried on one side of said frame means and operative to block outward spray of liquid media from an adjacent nozzle for direction downwardly at a

defined drip edges thereby preventing application of the liquid media beyond a defined border in the turf area.

12. (Original) The sprayer apparatus as recited in claim 11 wherein said liquid barrier is a flexible sheet material.

13. (Original) The sprayer apparatus as recited in claim 2 wherein said tank means is a cylindrical reservoir extending transversely on said frame means.